Lesson 1 Mind-blowing mixtures

**Wednesday 3 June Science**

Today you are going to investigate how household solutions react with metallic materials. Your challenge is to find out which material best cleans a tarnished 1 pence or 2 pence piece. Clean off with water and a cloth to clean afterwards. You need to write down the various stages of your experiment as we did at school. Title, aim, prediction, method, results table, conclusion (You need to research this) and a diagram.

Remember to make it a fair test (How will you do this?)

Ask parents before you carry out your experiment. Only known, safe solutions should be used. Eg Milk, ketchup, vinegar, salt water, lemon juice, orange juice etc. DO NOT use house-hold cleaning solutions!

Here are a couple of links that suggest some solutions – but you might discover even better ways of cleaning your coins!

<https://www.highlights.com/parents/family-activities/what-cleans-old-penny>

<https://www.mrbondscienceguy.com/science-blog/2018/2/21/cleaning-pennies>

<https://www.youtube.com/watch?v=uMPlFe9_YM4&safe=active>